Click Here

Toyota fd30 forklift specifications

Toyota fd45 forklift specs. Toyota fd100 forklift specs. Toyota 30 forklift specs. Toyota 7fd30 forklift specifications.

The Toyota 62-6 FD 30 is a heavy-duty diesel forklift designed for high-performance material handling. With a load capacity of 3 tonnes and powered by a robust 44 kW engine, it excels in demanding industrial settings. Built from 1996 to 1999, this model has proven its reliability over the years. Equipped with SE 4 tyres and transmission type W, it's well-suited for efficient material handling tasks. As part of Toyota Material Handling, a global leader in material handling equipment, the 62-6 FD 30 embodies the company's commitment to quality, innovation, and reliability. Crafted in Europe, with over 95% of its production taking place in local factories, this model showcases Toyota's dedication to manufacturing excellence. The diesel forklift benefits from Toyota's renowned Production System (TPS), ensuring exceptional quality and efficiency standards. Its robust performance and reliability make it suitable for various working environments. Additionally, Toyota Forklifts provides comprehensive support and service through its network of over 1000 UK employees and 600 technicians nationwide. The 62-6 FD 30 represents a fusion of global leadership in material handling and local manufacturing prowess, catering to diverse applications. Components Overview The vehicle's main parts are listed, including driving controls and gauges, a multifunction display, switches, body components, and more. Interior Features The instrument panel and multifunction display (if equipped) show vital information. Switches and levers control various functions. Body and Frame Details The vehicle's body and frame make up its structure, with specific sections discussed in detail. Pre-Operational Checks Before using the Toyota DPF-II system or driving the vehicle, a pre-operation check must be performed to ensure everything is functioning properly. Maintenance and Servicing Regular maintenance tasks include weekly checks, self-servicing procedures, fuel tank inspections, and more. Table of Contents: * Page 58: Data related to LPG Device (Optional) * Page 60: Mast Specifications and Rated Capacities * Page 68: Wheel and Tire Information * Page 76: Vehicle Dimensions and Measurements * Page 77: Important Details about the Vehicle This user manual is designed for operating and maintaining Toyota Industrial vehicles correctly. It includes information on daily lubrication, periodic inspection procedures, and essential safety guidelines. • For safe use: Keep away from power lines & know their locations. Perform regular checks & maintenance to prevent malfunctions & ensure efficient work. Warm up the engine before starting operation. • Avoid forward tilt when lifting heavy loads, as it may cause overturning due to poor stability. Never travel with forks elevated beyond specified height, as it can lead to overturning. • Be cautious of overloading or uneven loading, as it's hazardous. Limit load weight according to the load rating table & ensure even distribution of the center of gravity. • If you notice unusual noises or vibrations, stop immediately & inspect/repair if necessary. Follow correct operating procedures for power-steered vehicles. • In case of engine failure during travel, steer firmly towards a safe place. Use recommended fuel types to prevent shortened service life. • Be aware that using low-grade fuel may cause premature wear. Avoid using bio-diesel or winter diesel in regular conditions, as it can damage the engine. • Keep a safe distance from flammable materials when operating the vehicle, as hot exhaust systems can ignite them. Park with rear end at least 30cm away to avoid discoloration of nearby materials. Combustion of materials requires specific procedures.• For vehicles with colored tires, a static strap must be installed.• Vehicles equipped with wet brakes require a warm-up period before operating at temperatures below -10°C (14°F). The warm-up method involves driving the vehicle unloaded for approximately 200 meters (600 ft). CautionCaution When using SAS models, ensure you check the caution plate to confirm the functional features. Do not operate the vehicle without verifying correct functioning. For vehicles with double/dual wheels, there is no rear tire swing lock control cylinder/stabilizer. While driving, be aware of any warning lamps that may appear. If an error code is displayed or the hour-meter shows an issue, park the vehicle at a safe location and have it inspected by a Toyota dealer. The SAS system may require initialization after maintenance operations. Do not remove or modify any SAS features. When washing the vehicle, take care to prevent water from spraying directly on the electronics used in the SAS system. Active control rear stabilizer: When turning sharply, centrifugal force will be generated and this feature will lock the rear axle, preventing it from pivoting and supporting the vehicle with all four wheels. This enhances stability in both directions. CautionCaution With the rear axle locked, stability is increased, but do not assume the vehicle will never tip over. Operate the vehicle as outlined in this manual. Tilting the mast forward while pressing the tilt lever knob switch causes the forks to automatically stop at their horizontal position. After stopping, you can further tilt the forks by releasing the tilt lever and then operating it from the neutral position. When tilting the mast backward to forward with the knob switch depressed, the mast will perform as follows: • Forks level-ing control can tip over if operated while handling a heavy load. • When using forks with attachments, do not allow them to automatically position horizontally while the engine is running at high speed. • Some models may not have automatic forks level-ing control. Confirm with a Toyota dealer in advance. • Tilt lever knob switch operation will not affect mast movement when tilted forward by pressing it with a load at an elevated height (more than 2m). • Forks may not stop at the horizontal position when tilting backward, except for vehicles equipped with minilever or joystick. • Mast angle of tilt can be automatically controlled within a specified range based on lift and load. • When hookin' up an attachment to a model without forks, make shure it's compatible with the model. Hit up your local Toyota dealer to get that sorted. • Note: If you're liftin' somethin' real high, there might be some leftover pressure in the lift cylinder. This can trick the system into thinkin' there's more weight than there actually is. To avoid this, just lower the forks a bit and try again. • When you're liftin' heavy stuff at a high height, the mast will naturally slow down if it's tilted back. But when you're lowerin' it, the speed won't change, even with a load on board. • At low lift heights, though, you can tilt that mast as fast as you want, even with some weight on it. Just keep in mind that if you're tilting it back and pressin' the tilt knob switch at the same time, it'll slow down automatically (except for mini lever/joy stick models). • If you change the lift height while tilting the mast backward, the speed will stay the same as long as you've got the tilt lever knob switch pressed. But if you let go of that switch, the mast can move at full speed again. • When you turn off the engine and try to lower the forks, they won't budge. But if you sit down, turn the ignition back on, and try lowering them again, they should work just fine (except for mini lever/joy stick models). • If your steering wheel knob isn't aligned with the steer tires, it'll get adjusted automatically when you turn the wheel. This way, the knob stays in the same position relative to the tires. • The SAS models have some extra tech to help 'em run smoothly. If any of that stuff's not workin' right, it'll give you a heads up with some error messages and whatnot. If you notice anything weird happenin', pull over to a safe spot and get a Toyota dealer to take a look. Operating your forklift requires attention and adherence to safety protocols to prevent accidents or system malfunctions. When an issue arises while operating, the Operator Presence Sensing (OPS) System will alert you through a lamp flashing on the dashboard. This system can stop travel if you're not seated within two seconds. If you return to your seat within that timeframe, normal operations resume. However, if more than two seconds pass without you sitting back down, the system may initiate its safety features, including stopping travel and load handling operations. In such cases, apply the brakes, move the control lever to neutral, and sit back down to reactivate normal functioning. If operator leaves seat, OPS lamp will light up. Two seconds later, load handling operations will be stopped. To resume, return to seat and put levers in neutral position. If OPS System causes travel operations to stop and operator is re-seated without putting control lever in neutral, buzzer will sound indicating travel OPS functions not deactivated. Same for lift lever on forklifts with standard lever or load handling levers on mini lever/joy stick lever models if not put in neutral. If SAS/OPS System registers abnormality, diagnosis lamp will blink and may indicate malfunction. Park vehicle at safe location and have dealer inspect if OPS lamp doesn't light up when operator leaves seat, or if it doesn't turn off when operator is re-seated. Also, park vehicle at safe location and have dealer inspect in cases of other specified conditions. Caution: OPS lamp may blink when ignition switch is turned to ON if operator has been seated for long period after turning OFF. Leaving seat once and returning will cause light to go out. The maximum speed limiter and acceleration limiter functions are designed to prevent tip-overs in various circumstances. However, they are not foolproof and may not work in all situations. Temporary changes in speed limits and sense of acceleration can occur during operation, especially when using the inching and brake pedal. Additionally, the idle-up of the engine can increase vehicle speed when the lift lever is operated upward on idle conditions. To mitigate instability caused by sudden stopping, the maximum speed limiter limits speed according to load weight. This function reduces the risk of tip-overs. However, even with this limitation, sudden accelerations will remain limited until the accelerator pedal is re-engaged. When loading height and weight are sensed, an auto speed control indicator displays the set speed limit, warning operators of potential issues. Meanwhile, acceleration limiter prevents sudden vehicle acceleration in accordance with load weight. Furthermore, when the engine is at high revs and the load is elevated, this function suppresses sudden acceleration to prevent loss of load, even if the vehicle is operated erratically. The loading priority function allows for partial release of speed limits during specific situations. A function on/off indicator displays warnings or instructions to operators based on sensor input and settings. • Setting a maximum speed limit ensures the vehicle follows a predetermined speed, even when traveling downhill. • The lower speed setting takes priority over a maximum speed limit if one is set. • Road surface changes and vehicle conditions may temporarily exceed the set speed. • Consult with a supervisor or Toyota dealer to determine the maximum speed. When using the lift lever, the forks can be raised at a steady speed without pressing on the accelerator pedal. **Important Vehicle Information** Before starting your Toyota vehicle, please check if all warning lamps come on when you turn the ignition switch to "ON". If any lamp doesn't light up, contact your local Toyota dealer for inspection. The hour meter operates when the ignition is turned to "ON" and indicates the total number of operating hours. Use this meter to keep track of maintenance schedules and record operation hours. In case an abnormality occurs, the diagnosis lamp will display error codes and the hour meter will alternate between displays. If you encounter an error code, park your vehicle in a safe location and contact your Toyota dealer for inspection. **Warning Lamp Indicators** 1. **Engine Oil Pressure Warning Lamp**: Comes on to indicate low engine oil pressure while the engine is running. 2. **Sedimenter Warning Lamp**: Indicates water in the sedimenter exceeds the predetermined level while the engine is running. 3. **Glow Plug Heating Indicator Lamp**: Turns on when you turn the ignition switch to "ON" and begins glow plug heating. The lamp goes off automatically when glow plug heating is complete. **Important Notes** * If an error code appears, park your vehicle in a safe location and contact your Toyota dealer for inspection. * The engine oil pressure warning lamp does not indicate the oil level; check the oil level using the oil level gauge before starting work. * If the sedimenter warning lamp comes on, drain water immediately. Continued operation with the lamp on may cause seizure of the injection pump and damage. Remember to always make sure to drain water when the warning lamp lights up. When you turn on your engine, the lamp will automatically shut off. However, if the engine check lamp lights up during operation, stop and park in a safe location, then consult with your Toyota dealer for an inspection. The engine charging system indicator comes on when there's an issue while running. If it doesn't go off after the engine starts, stop immediately and inspect the fan belt for cuts or looseness. Adjust it if needed, then restart the engine. If the lamp fails to turn off, your electrical system might be faulty; seek assistance from a Toyota dealer. The OPS System indicator lights up when you leave your seat. If it doesn't light up after 2 seconds, loading can continue once you re-seat. However, in situations like this: * If the OPS lamp doesn't light up when you leave the seat * If the OPS lamp doesn't turn off even after re-seating a malfunction may have occurred; park and contact your Toyota dealer for inspection. The engine coolant temperature gauge shows a 10-stage gradation scale. When the temperature reaches 115ºC or above, the final two stages will begin blinking. This indicates potential overheating due to coolant leakage, low coolant level, or other issues in the cooling system; consult with your Toyota dealer. The fuel level gauge displays a 10-stage gradation scale. When the remaining fuel level is low, the two stages at far left will start blinking. It may take some time for the indication to stabilize after refueling. Note: * Ensure the vehicle is parked on a level surface as incorrect levels might be indicated. * If the gauge starts blinking, refuel as soon as possible. * For diesel engines, be sure to refill before running out. If an abnormality is detected by the SAS, OPS, mini lever, or Auto speed control system, specific lamps will illuminate or blink to alert the driver and display a diagnostic error code in the hour meter area. It's essential to take action if the following conditions occur: * The lamp does not turn on when the ignition switch is turned on. * The lamp lights up when the ignition switch is turned on and remains on. * The lamp blinks during ignition switch operation. Caution: Continuing to use the vehicle with a lit or blinking diagnosis lamp can lead to engine failure. When the lamp is activated, halt all operations and park in a safe location. Contact your Toyota dealer for an inspection. Additionally, if: * The operator remains seated with the ignition switch turned off for an extended period, the next time the ignition switch is turned on, the diagnostic lamp may start blinking. * If this happens, leave the seat. The diagnosis lamp will then turn off. * Brake warning lamps (1), Coolant level warning lamps (2), and Air cleaner warning lamps (3) illuminate to indicate a problem. * These lamps can also appear when the ignition switch is turned on, regardless of engine speed, indicating a potential issue with the corresponding component. Contact your Toyota dealer for an inspection. Caution: Always perform pre-operation checks. Do not rely solely on the OK monitor's status. Engine running while up might indicate coolantdeficiency. Stop and inspect coolant level inradiator reserve tank and radiator before start-ing operations. Note that even if warning lamp isnot lit, always check coolant level beforehand. Warning lamps on dashboard can signal problemsgiven below: - Air cleaner element clog: Lamp comes on whilenormal, goes off when engine starts. - Abnormal wet brake function: Warning buzzer soundsand lighted lamp informs operator. Stop operations,secure parking, and depress brake pedal untilbuzzer stops. Restart work only after confirminglamp is off and buzzer silent. Caution should be taken if warning lamp does notgo off or buzzer doesn't stop with brake pedaldepressed. Consult a Toyota dealer for inspection. Multifunction display area has various switchoptions: - Down switch - Left switch - Right switch - Meter display switch (changes ODO, TRIP, andMaintenance Hour displays) - Low speed setting switch (for DX models withAuto speed control) Start screen appears on ignition turn-on,displaying vehicle status. Maintenance displayshowcases vital statistics like total distance traveledand torque converter oil temperature. Note: Always use finger tips to operate theswitch panel when stopped, as starting screen willappear for 1 second on ignition turn-on. To ensure accurate readings and prevent damage to the vehicle, always operate the switch panel using your finger tips when the vehicle is stopped. The maintenance hour meter displays both the set value and current value. The load meter allows you to confirm the weight of the load being handled. Press the lift lever knob or load meter switch (mini lever models) to access this feature. For each operation, the display will show the reading for 3 seconds before returning to normal. Note: The load meter should not be used in business dealings or as proof, but rather as a reference when conducting handling operations. When operating the load meter at an elevated position, an arrow will appear on the screen and the measured weight indication will blink to notify you that the reading is inaccurate. Always set the load to approximately 500mm above ground level and ensure the mast is vertical for accurate readings. In case of malfunction or error, the display will blink, indicating a problem with the load meter sensor. Contact your Toyota dealer to schedule an inspection. If a reset maintenance time occurs, you will be notified through the display and a warning sound. Conduct necessary maintenance promptly. The display may show an error message with varying codes depending on the location of the fault and the nature of the issue. In some cases, an error might not be indicated if it's related to a specific area. When the diagnostic indicator is displayed, contact your Toyota dealer for an inspection. **Low Speed Setting Switch** * A "turtle mark" will appear when low speed settings have been set. * Pressing the switch will activate the turtle indicator, which will light up and enable the low-speed setting control. * Always operate the switch panel with finger tips to avoid any issues. **Auto Speed Control Indicator** * The auto speed control indicator will be displayed to inform the operator about potential risks, such as sudden acceleration or speed limits after load lifting height and weight sensing is activated. * Even when the speed limits are deactivated, a display indication will notify the operator that the preventing sudden starts function is active. **Parking Brake Warning Indicator** * The warning indicator will blink and sound if the parking brake is engaged while the lift vehicle is traveling. * Failure to engage the parking brake may result in reduced braking effectiveness. Contact your Toyota dealer for an inspection. * If the warning lamp does not turn off when the parking brake is disengaged, stop operations and contact your dealership. **Torque Converter Oil Temperature** * A warning sound will be sounded if the ignition switch is turned off or the operator leaves the seat while the parking brake is disengaged. * The indicator will blink at a temperature of 120°C (9 on the scale) to notify the operator. * If the temperature reaches 140°C (10 on the scale), the entire indicator will flash to notify the operator. The Multifunction display will show a warning when the set speed is reached, but this doesn't limit your traveling speed. Remember to keep an eye on your speed while driving. Pressing the low speed setting switch or down switch for 2 seconds will bring up the settings menu. If the supervisor locks it, you can't change the screen settings though. To navigate through the options, press the meter display switch and then select what you need with the low speed setting switch or down switch. To get back to the standard screen from the setting menu, click [ ] and then press the meter display switch. When using the switch panel, use your finger tips only. For vehicles with Multifunction display DX 01_A5028-0E00_En.fm , you can set a maximum speed by pressing the low speed setting switch. You can choose from 8 different levels and select level 8 to turn off the function. If you choose level 8, you won't be able to change the settings again. When driving with Auto speed control and Multifunction display DX, you can use the left, right, and meter display switches to set your traveling speed. You can reduce or increase the speed by pressing the corresponding switches. Remember to switch back to the standard screen using the meter display switch. For vehicles without Auto speed control and Multifunction display DX, there's a key position called { [OFF] which is for engine stop. The other positions are { [ON] for engine operation and START for starting the engine. Note that in some models, like diesel ones, you might need to preheat the intake heater before starting. Starting the engine requires setting the control lever to the neutral position. Additionally: • Always sit on the seat before operating the ignition switch to prevent unintended movement. • When the OPS lamp is on, return all levers to neutral and sit on the seat, then confirm the lamp has turned off. • Don't leave the switch in the ON position when stopped, as this may cause battery over-discharge. • Avoid turning the switch to start while the engine is running. • For safety, it's recommended to always start the engine with the transmission gear shift lever in neutral. • Do not operate the starter motor for more than 30 seconds continuously; return the switch to OFF and wait at least 30 seconds before restarting. • When using an anti-restart ignition switch, ensure the switch is set to OFF before attempting to restart the engine. Also: • Avoid keeping lights on for extended periods when stopped, as this may cause battery over-discharge and prevent engine starting. • The turn signal lever returns automatically after making a direction change. To shift between forward and reverse, push forward or pull backward; the neutral position is halfway between these positions. • After the OPS system operates, return the accelerator pedal to its fully released position, set the control lever to neutral, and sit on the seat before restarting driving. Note: The engine cannot be started unless the control lever is in the neutral position. Stop the vehicle before shifting gears, and avoid switching direction while moving at high speed, as this may disengage the drive and set the torque converter to neutral. **Change Travel Direction:** * When traveling in reverse or forward, use the control lever to change direction. * Reduce speed before using the control lever. * Ask your Toyota dealer for information on changing the speed setting. **Caution:** * When the interlock is engaged, release the accelerator pedal and use the brake pedal to slow down. * Disengage the interlock while pressing the accelerator pedal can cause wheel spin. * Do not perform forward or backward operations on slopes as it may affect the torque converter's operation. **Horn Operation:** * Press the button in the center of the steering wheel to sound the horn, which will work even when the ignition switch is off. * Use the horn button at the top of the rear pillar assist grip to sound the horn while reversing. **OPS System (Option):** * Raise and lower the forks by pulling or pushing the lever. * Adjust the lifting speed by pressing the accelerator pedal and pulling the lever back. * Adjust the lowering speed by pushing the lever forward. * The idling lifting speed increase function can be activated to increase lifting speed. **Caution:** * After using the OPS System, return the accelerator pedal to its fully released position and set the lift lever to neutral before restarting operation. * Do not sit on the seat while raising or lowering the lift lever. * When turning off the ignition switch and lowering the lift lever, the forks will not lower. The operator sits in their seat and turns on the ignition. The forks can be lowered even if the engine is off, except for specific models. If the ignition won't turn on, loosen the manual lowering valve beneath the toe board and operate the lift lever downward. Once the forks are lowered with the lift lock release bolt, close and lock the valve. The operator must ensure the load-handling control levers are in their neutral positions before returning to their seat. They should also operate the tilt lever from a seated position and return the accelerator pedal and tilt lever to their neutral positions after using the OPS System. To change the mast's direction, push forward for forward tilting or pull backward for backward tilting. The speed of the tilting can be adjusted by depressing the accelerator pedal or changing the lever operating stroke. When switching from backward to forward tilt, depressing the tilt lever knob switch will automatically stop the forks at their horizontal position. The automatic forks leveling control feature allows the mast to be stopped with the forks horizontally positioned when tilting forward while depressing the tilt lever knob. At high lift heights, the mast's backward tilt speed is controlled, but this control is released at low lift heights. When lowering from a high lift height to a lower one while tilting the mast backward, the control speed will not change. The vehicle's movement can be controlled through various functions. To move forward, press the accelerator pedal while pulling the lever backwards. The speed can be adjusted by how far you press the pedal. Conversely, to go backward, pull the pedal back and push the lever forward. To shift between moving forward and backward, use the lever provided for this purpose. Always stop the vehicle before making such shifts. Once the OPS System is activated, return all levers and pedals to their neutral positions and sit back down before resuming operations. The forks can be raised or lowered using separate mechanisms. Raising them involves pulling a lever back while pushing another pedal forward. The speed at which they rise can be adjusted by how far you pull the first lever and press the pedal. Lowering the forks requires pushing a pedal forward after activating the OPS System and returning to your seat. When OPS System is activated, ensure all levers are in neutral and return to a seated position before resuming operations. Always operate the tilt lever from a properly seated position. * Automatic forks leveling switch: Pressing this switch while tilting forks forward or backward will stop them at a horizontal position. Releasing the switch allows for normal tilt lever operation. * Forks forward-tilt automatic leveling control: Operating the lever forward while depressing the automatic fork leveling switch stops the forks at a horizontal position, useful when handling loads or attaching/detaching forks. * Forks backward-tilt automatic leveling control: Operating the lever backward while depressing the automatic fork leveling switch stops the forks at a horizontal position, convenient when using clamp-type attachments with a forward-tilted mast. * Active mast rear tilt speed control: When the mast is raised to a high position, backward-tilt speed will automatically slow down. 1. Attachment Lever Switch: * Allows switching between 3rd and 4th ways of attachment lever operation. * Must be operated when attachment operations are stopped. 2. Control Lever: * Used for shifting between forward and reverse. * Speed can be adjusted by accelerator pedal extent. * Precautions: stop vehicle before shifting, return to neutral positions after OPS activation, and operate from a properly seated position. 3. Lift Lock Release Bolt: * Prevents lift descent if returned to seated position while lowering lift lever (return to neutral warning function). * Can lower forks by opening bolt in case of system malfunction or other reasons. * Must be closed and locked after use. 4. Automatic Forks Leveling Switch: * Automatically stops forks at a horizontal position when operated forward from backward-tilted or backward from forward-tilted positions while pressing the switch. * Normal tilt lever operation resumes upon releasing the switch. Moving the lever forward while pressing the automatic forks leveling switch will automatically lower and level the forks horizontally. This feature is useful for handling loads or attaching/detaching forks. Pressing the automatic forks leveling switch, then moving the forks forward from a backward-tilted position, enables Forks Backward-Tilt Automatic Leveling Control. To achieve this, move the lever forward while pressing the switch when the forks are in a backward-tilted position. Conversely, operating the forks backward from a forward-tilt position with the automatic fork leveling switch pressed will automatically stop them at a horizontal position. This is particularly helpful for using clamp-type attachments as the mast tilts forward. When not loaded and the lift is low, the forks will remain stopped at their horizontal position, even if the mast is vertically positioned. However, when the load is in place and the high lift feature is engaged, the forks will stop at a horizontal position regardless of the mast's vertical or forward tilt status. This ensures safe handling and operation of the equipment.